

PERMIT APPLICATION: NRS #05-386

APPLICANT: Dr. Tom West
17 South Rose Road
Memphis, TN 38117-2901
(901) 683-6204

LOCATION: Project is located south of Walnut Grove Road and east of Houston Levee Road;
Memphis, Shelby County.

WATERSHED DESCRIPTION: Surrounding land use is open field, pasture and scattered woodlots. Six small wetland areas of 0.99 acres are scattered across the property. Herbaceous plants with black willow saplings dominate them.

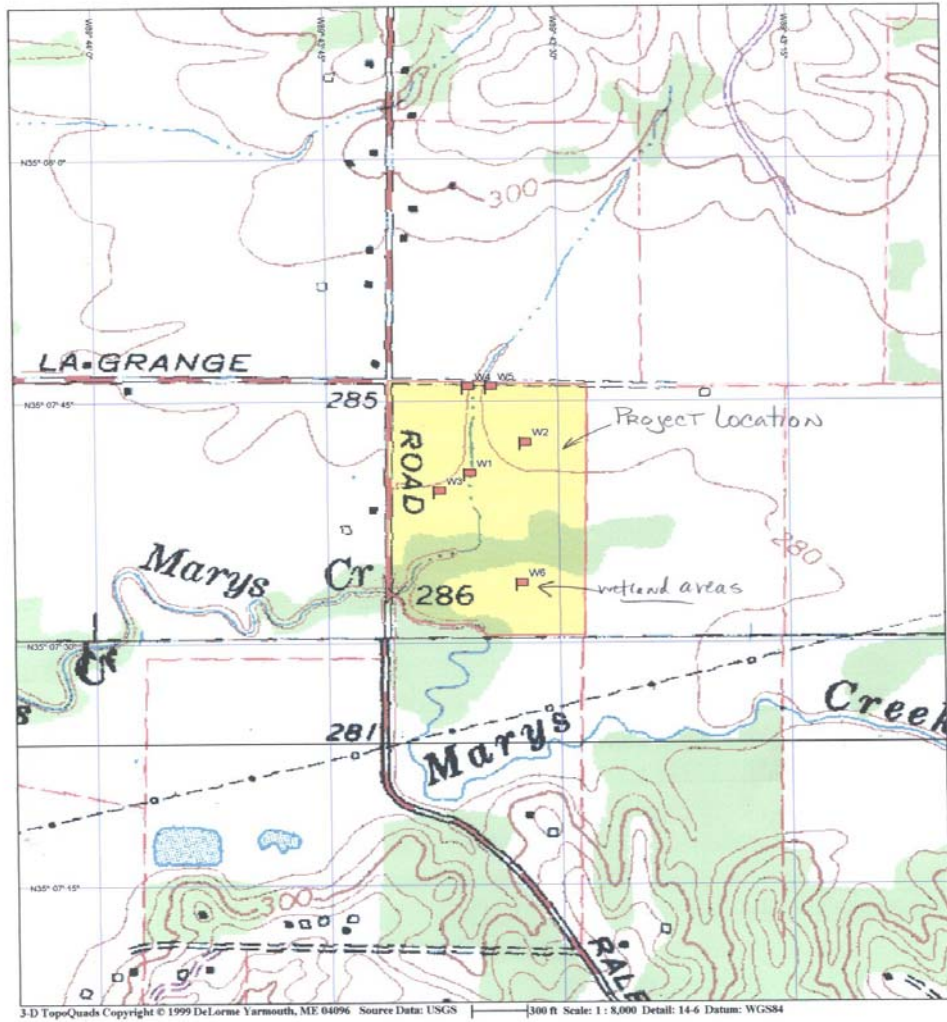
PROJECT DESCRIPTION: The applicant proposes to develop the 26.17 acre mixed use residential and commercial Walnut Grove Southeast Development at the southeast corner of Walnut Grove Road in Memphis. The site consists of 34.57 acres of which 8.4 acres lie within the 100-year floodway of Mary's Creek. The floodway acres will not be developed. Fill material will be placed in the linear wetland of 0.99 acres.

Compensatory mitigation will occur onsite. Approximately 4 acres in the 100-year floodway will be minimally excavated and planted with bottomland hardwood seedlings at the rate of 400/acre. Excavation will be to 12-inches and then backfilled with 6-inches of hydric material from the impacted wetland and topsoil from the excavation. Soils in the mitigation area are Falaya silt loam. Current conditions describe it as a relatively open area dominated by herbaceous species and saplings of green ash and sweetgum. Hydrology will be provided from a seasonal high water table, runoff, direct precipitation and flooding from Mary's Creek.

The applicant will provide annual monitoring reports and guarantee success of the compensatory mitigation.

PERMIT COORDINATOR: Mike Lee

TOPOGRAPHICAL QUADRANGLE: Eads 416- NW
N 35 07' 40" / W 89 43' 36.3"



ARAP #05-386
TOM WEST
PAGE 3.

Page 1

Mike Lee - STUDYPLAN2 Model (1) pdf

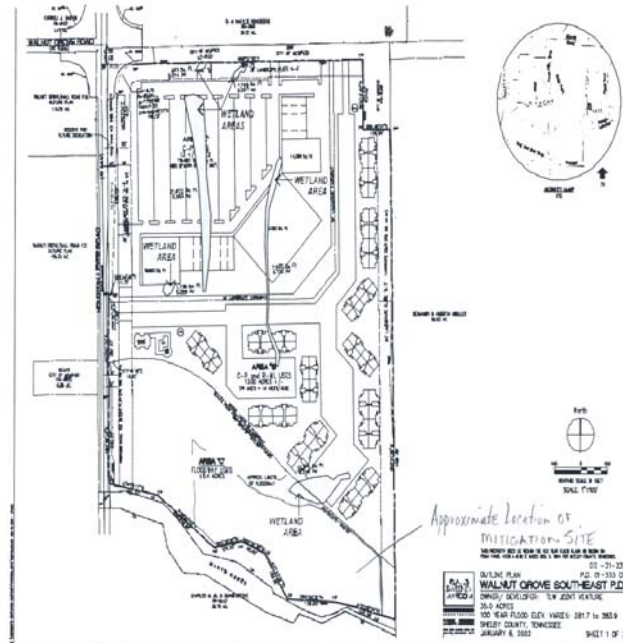


Photo Documentation



Photo 1

General Overview of the Central and western portions of property



Photo 2

Central Portion of Proposed Development Property



Photo 9

Southern Wetland Area (W6)

